

Errata

NFPA 70[®]
National Electrical Code[®]

1999 Edition

Reference: 1999 NEC[®]

The National Electrical Code Correlating Committee notes the following errors in the 1999 edition of NFPA 70, *National Electrical Code*.

How to Use This Errata Sheet

This is a list of errata to the first printing of the 1999 NEC[®]. A first printing is indicated by the numeral 1 as the last digit in the line of numbers appearing at the bottom of the inside front cover.

1. Page 70-31. In Sections 110-31(a)(2) and 110-31(b)(2), change " 110-35" to " 490-24".
2. Page 70-64. In Section 230-40, Exception No. 5, change " 230-82(3)" to " 230-82(4)" .
3. Page 70-75. Section 240-21(c)(4)(b) should read as follows: " (b) The conductors terminate at a single circuit breaker or a single set of fuses that will limit the load to the ampacity of the conductors. This single overcurrent device shall be permitted to supply any number of additional overcurrent devices on its load side."
- 4.* Page 70-78. In Section 240-86(b)(1), add the word " and" at the end of the sentence after "device".
5. Page 70-93. In Section 250-97, in the last sentence of first paragraph, " Section 250-94(1) through (4)" should be changed to "Section 250-94, except for (1)."
6. Page 70-109. In Section 300-7(b), FPN, change " Table 347-9" to " Table 347-9(A)" .
7. Pages 70-114 and 70-115. Exception Nos. 1 through 6 that follow Section 300-50(e) should directly follow Table 300-50; they are exceptions to the table.
- 8.* Page 70-127. In Table 310-17, the referenced ampacity for size 300 kcmil copper wire under 75°C should be 445.
- 9.* Page 70-132. In the second footnote to Table 310-64, the first sentence should read "This insulation level corresponds to that formerly designated for ungrounded systems."
- 10.* Page 70-140. In 318-2, the word " rigid" should be deleted from the definition of cable tray system.
11. Page 70-140. In the title of Table 310-86, change " copper" to " aluminum."
- 12.* Page 70-154. In Section 331-3(2), insert the words " or noncombustible" after "combustible" in the second to last line.
13. Page 70-172. In Table 347-9(B), " Length Change of PVC Conduit" should be changed to "Length Change of Fiberglass Conduit" in both columns.
14. Page 70-174. Section 349-1 should be deleted and Section 349-2 should be renumbered to 349-1.
- 15.* Page 70-185. In Section 362-6, delete the second paragraph.
16. Page 70-186. In Section 362-23, FPN, change " Table 347-9" to " Table 347-9(A)" .
17. Page 70-199. In Section 370-70(2), change " 370-23(f)" to " 370-23(g)" .
18. Page 70-238. In Section 422-16(b)(1)(a) Exception, the first sentence, " A listed kitchen disposer distinctly marked..." should be changed to "A listed kitchen waste disposer distinctly marked..."
19. Page 70-271. Add the following notes to the bottom of Table 430-72(b):
Notes:
 1. Value specified in Section 310-15 as applicable.
 2. 400 percent of value specified in Table 310-17 for 60°C conductors.
 3. 300 percent of value specified in Table 310-16 for 60°C conductors.
20. Page 70-275. In Section 430-102(b), delete the word " separate."
21. Page 70-291. In the title of Table 450-3(a), change " Transformer-Related Current" to "Transformer-Rated Current."
- 22.* Page 70-303. In Section 490-21(a)(4)(f), change "millivolt-amperes (mVA)" to "megavolt-amperes (MVA)" in the 4th line.
23. Page 70-307. In Section 490-41(b), delete the exception.
- 24.* Page 70-334. In Section 504-50(b) first sentence, the reference to Section 250-30(c) should be changed to Section 250-30(a)(3).

25. Page 70-354. Section 516-2(a)(5) should read as follows: " Sumps, pits, or below-grade channels within 25 ft (7.625 m) horizontally of a vapor source. If the sump, pit, or channel extends beyond 25 ft (7.625 m) from the vapor source, it shall be provided with a vapor stop or it shall be classified as Class I, Division 1 for its entire length."
- 26.* Page 70-354. Figure 516-2(b)(1) title should read " Electrical area classification for open spray areas."
27. Page 70-354. Section 516-2(a)(6) should read as follows: " The interior of any enclosed dipping or coating process or apparatus."
28. Page 70-420. In Section 551-77(e), change " 110-16" to " 110-26" .
29. Page 70-434. In Section 600-7, line 15, add the words " or less" after 100 Hz.
30. Page 70-486. Change Section 680-42 to read as follows:
- 680-42. Protection. The outlet(s) that supplies:
- (a) A self-contained spa or hot tub, or
 - (b) A packaged spa or hot tub equipment assembly, or
 - (c) A field-assembled spa or hot tub with a heater load of 50 amperes or less shall be protected by a ground-fault circuit interrupter.
- A listed self-contained unit or listed packaged equipment assembly marked to indicate that integral ground-fault circuit-interrupter protection is provided for all electrical parts within the unit or assembly (pumps, air blowers, heaters, lights, controls, sanitizer generators, wiring, etc.) shall not require that the outlet supply be protected by a ground-fault circuit interrupter.
- A field-assembled spa or hot tub rated greater than 250 volts or rated 3 phase shall not require the supply to be protected by a ground-fault circuit interrupter.
- A combination pool/hot tub or spa assembly commonly bonded need not be protected by a ground-fault circuit interrupter.
- FPN: See Section 680-4 for definitions of *self-contained spa or hot tub*, and for *packaged spa or hot tub equipment assembly*.
31. Page 70-614. In Example No. D8., under Conductor Ampacity, the calculation for 25 hp motor should be "34 A x 1.25 = 42.5 A" and the first calculation for 30 hp motors should be "40 A x 1.25 = 50 A"

Under Branch-Circuit Short-Circuit and Ground-Fault Protection, the calculation under nontime-delay fuse, should be " 300% x 34 A = 102 A." The text should read as follows: "The next larger standard fuse is 110 A... If the motor will not start with a 110 A nontime-delay fuse... " The calculation under time delay fuse should be " 175 % x 34 A = 59.5 A."

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*indicates a new item.